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Find the *Datalogic HLD-8000* at our website: ***Click HERE***

POWERSCAN™ PD8300

DATALOGIC

INDUSTRIAL LASER BAR CODE READER

The PowerScan 8000 product series is Datalogic ADC's premium line of rugged industrial handheld data collection products. The PowerScan PD8300 laser scanner offers state-of-the-art performance in a corded industrial product.

SUPERIOR READING PERFORMANCE

The PD8300 reader features Datalogic's exclusive 3 Green Lights (3GL™) for superior good read feedback. The patented 'Green Spot' directly on the code, and dual Good Read LEDs on the top and back of the cap add increased visibility at any angle. Superior reading performance is enhanced by Datalogic's patented PuzzleSolver™ technology for fast and accurate reading of standard, poorly printed and damaged codes.

BUILT TO LAST

The PD8300 reader's mechanics have been developed and tested to withstand extreme environmental conditions maintaining consistent reading performance without degrading performance or reliability. Its ergonomic enclosure is lightweight and well-balanced to ensure optimal operator comfort during scan intensive operations. A built-in metal tether hook for suspended applications ensures workplace productivity.

DEVELOPED WITH THE USER IN MIND

All models have multi-interface capabilities built-in featuring the most popular interfaces; RS-232, Keyboard Wedge, Wand Emulation and USB. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.



FEATURES

- Optics available in Standard Range (contact up to over 1.0 m / 3.3 ft) and Auto Range (20 cm / 8.0 in up to 12.5 m / 41.0 ft)
- Datalogic 3GL™ and loud beeper for good read feedback
- Built-in multiple interface (RS-232, Keyboard Wedge, Wand and USB)
- Undecoded Laser Output Model
- Operates over a wide range of temperatures
- Water and Particulate Sealing Rating: IP65
- Drop resistance to 2.0 m / 6.5 ft

INDUSTRY-APPLICATIONS

- Manufacturing Shop Floor
  - Work-in-Progress
  - Sub-Assembly
  - Component Tracking
  - Quality Control
  - Time and Cost Analysis
  - Machine Replenishment / Configuration
  - Line Inventory Control
- Warehouse and Logistic Centers
  - Shipping / Receiving
  - Parcel Preparation
  - Picking / Put Away
  - Automatic Sorting Back-Up
  - End of Line Sorting

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POWERSCAN™ PD8300

DATALOGIC

TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes.
STACKED CODES	Code 16K; Code 49; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

CURRENT	Operating (Typical): D8330: 420 mA @ 4 V; 310 mA @ 5 V; 62 mA @30 V D8340: 500 mA @ 4 V; 370 mA @ 5V; 70 mA @ 30 V Standby/Idle (Typical): 4 mA
INPUT VOLTAGE	4 - 30 VDC

ENVIRONMENTAL

AMBIENT LIGHT	Immune to light exposure in offices/facilities and direct exposure to sunlight
DROP RESISTANCE	Withstands 50 drops from 2 m / 6.6 ft to concrete
ESD PROTECTION (AIR DISCHARGE)	20 kV
HUMIDITY (NON-CONDENSING)	90%
PARTICULATE AND WATER SEALING	IP65
TEMPERATURE	Operating: -30 to 50 °C / -22 to 122 °F Storage/Transport: -30 to 50 °C / -22 to 122 °F

INTERFACES

INTERFACES	Keyboard Wedge; RS-232; Undecoded Laser Output-Model D8340 Only; USB; Wand

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Yellow/Black
DIMENSIONS	20.7 x 11.4 x 6.9 cm / 8.1 x 4.5 x 2.7 in
WEIGHT	295.0 g / 10.4 oz

READING PERFORMANCE

LIGHT SOURCE	630 - 680 nm VLD Aiming: 630 - 680 nm VLD, Activated by 'Double-Click' Trigger
PRINT CONTRAST RATIO (MINIMUM)	15%
READ RATE (MAXIMUM)	35 +/- 5 scans/sec.
READING ANGLE	Pitch: 5 to 55° / -5 to -55°; Roll (Tilt): +/- 20°; Skew (Yaw): +/- 60°
READING INDICATORS	Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
RESOLUTION (MAXIMUM)	D83X0: 0.076 mm / 3 mils; D83X0 Auto Range: 0.190 mm / 7.5 mils

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. **PD8300** 5 mils: 2.1 to 13.3 cm / 0.8 to 5.2 in 7.5 mils: 3.5 to 24.2 cm / 1.4 to 9.5 in 10 mils: 2.9 to 42.8 cm / 1.1 to 16.8 in 13 mils: 2.3 to 55.1 cm / 0.9 to 21.7 in 20 mils: 6.3 to 78.5 cm / 2.5 to 30.9 in 40 mils: 2.5 to 97.8 cm / 1.0 to 38.5 in **PD8300 AR** 7.5 mils: 7.0 to 46.5 cm / 2.7 to 18.3 in 10 mils: 10.8 to 85.0 cm / 4.2 to 33.5 in 13 mils: 12.7 to 147.3 cm / 5.0 to 58.0 in 20 mils: 7.0 to 215.9 cm / 2.7 to 85.0 in 40 mils: 16.0 to 340.0 cm / 6.3 to 133.8 in 55 mils: 0.2 to 4.1 m / 0.7 to 13.5 ft Reflective -100 mils: 1.5 to 12.5 m / 4.9 to 41.0 ft

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
ENVIRONMENTAL COMPLIANCE	Complies to EU RoHS
LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam CDRH Class II IEC 60825-1 Class 2

UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is available for download at no charge.

WARRANTY

WARRANTY	3-Year Factory Warranty

ACCESSORIES

Cases/Holsters

- 11-0138 Heated Holder, 36 VDC
- 11-0139 Heated Holder, 24 VDC
- 11-0140 Heated Holder, 48 VDC
- HLS-P080 Universal Holster (HLS-8000)
- PC-P080 Protective Case/Belt Holster (PC-8000)



Mounts/Stands

- 7-0404 Industrial Take-Up Reel
- HLD-P080 Desk/Wall Holder (HLD-8000)
- STD-P080 Hands Free Stand (STD-8000)



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